

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/392,842	09/09/1999	SAMUEL P. SAWAN	SUR-008	1863
7278 DARBY & DA	7590 04/04/200 RRY P C	EXAMINER		
P. O. BOX 5257			COTTON, ABIGAIL MANDA	
NEW YORK,	NY 10150-5257		ART UNIT	PAPER NUMBER
			1617	
				
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		04/04/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)			
	09/392,842	SAWAN ET AL.			
Office Action Summary	Examiner	Art Unit			
	Abigail M. Cotton	1617			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
 1) ⊠ Responsive to communication(s) filed on 21 February 2007. 2a) ⊠ This action is FINAL. 2b) ☐ This action is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. 					
Disposition of Claims					
 4) Claim(s) 58,60,62-71,89,91-94 and 96-124 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 58,60,62-71,89,91-94 and 96-124 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Application Papers					
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the conference of the	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P	ite			

Page 2

This office action is in response to the amendment and remarks submitted on

February 21, 2007. Claims 58, 60, 62-71, 89, 91-94 and 96-124 are pending in the

application and are being examined on the merits herein.

It is noted that the claims are being examined to the extent they read on the

elected species of biguanide polymer (cationic polymer) that is

poly(hexamethylenebiguanide) ("PHMB"), and the water-insoluble organic compound

that is methylene-bis-N,N-diglycidylaniline, ("MBDGA").

The rejection of claims 58, 60, 62-71, 89, 91-94, 96-102 and 110 under 35 U.S.C.

112, first paragraph, as adding new matter, is being withdrawn in view of Applicants'

amendments to the claims to delete the impermissible new matter.

Applicant's arguments regarding the rejections of the claims over the prior art

have been fully considered but they are not persuasive.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

Art Unit: 1617

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 58, 60, 62-64, 68-71, 89, 92, 93, 96, 98-103, 105-106, 108-114 and 117-124 are rejected under 35 U.S.C. 103(a) as being unpatentable over WO 97/00076 to Morlet et al, in view of U.S. Patent No. 5,374,432 to Charles L. Fox, Jr., issued December 20, 1994, and further in view of U.S. Patent No. 5,576,006 to W. Novis Smith, issued November 19, 1996.

Morlet et al. teaches compositions comprising poly(hexamethylene biguanidine) salts in the topical treatment of microbial infections, as well as in pharmaceutical preparations and antiseptics (see abstract, in particular.) Morlet et al. teaches that PHMB has been discovered to be generally useful for the topical treatment of microbial infection of the human or animal body, such as on skin, as well as an antiseptic to clean skin (see page 3, lines 20-30, page 4, lines 18-25, and page 6, lines 30-35, in particular.) Morlet et al. teaches that compositions applied to the skin can comprise aqueous formulations, oily formulations, an oil-in-water emulsion, and a gel formulation, among others, and thus teaches the carrier and formulation form as recited in claims 58, 89, 92, 103, 105 and 109 (see page 7, lines 3-8, in particular.) Morlet et al. also teaches that the composition can comprise excipients to adjust the viscosity (thickeners) (see page 9, lines 25-35, in particular), and thus teaches the skin-compatible component as recited in claim 93. Accordingly, Morlet et al. teaches a method for

Art Unit: 1617

providing improved antimicrobial activity on skin comprising administering to the skin a composition comprising a polymer corresponding to the elected species of poly (hexamethylenebiguanide) (PHMB), as recited in claims 58, 89, 92, 93, 96, 98, 103 and 105.

Regarding claims 96, 98 and 108, it is noted the Moret et al. exemplifies bathing tissue in PHMB solution (see Example 4, in particular), and thus teaches that the composition can be administered by immersion, as recited in the claims.

Morlet et al. does not specifically teach administering to the skin a composition comprising an antimicrobial metallic material, as recited in claims 58, 89, 92, 93, 96, 98, 103 and 105. Morlet et al. also does not specifically teach forming a moisture-resistant film on the skin, as recited in claims 58, 89, 92, 93, 96, 98, 103 and 105. However, Morlet et al. does teach that the composition can comprise further pharmaceutically active substances, such as other compositions having antimicrobial activity (see page 10, lines 18-26, in particular.)

Fox teaches topical compositions having silver or a silver salt along with an antibiotic (see abstract, in particular.) Fox teaches that it is known to provide silver salts to prevent or reduce the infection of burn wounds, and that silver salts such as AgSD are known to be effective against a number of different types of bacteria (see column 1, lines 15-25, and column 2, lines 10-30, in particular.) Fox teaches that it has been

further discovered that combinations of silver or silver salts with other antimicrobials provide improved antimicrobial efficacy, such that lower levels of the other antimicrobial agents can be provided (see column 1, lines 25-33 and column 2, lines 30-45, in particular.) Fox teaches that suitable silver salts include silver iodide and silver nitrate (see column 1, lines 60-66, in particular), and thus teaches the antimicrobial metallic materials as recited in claims 58, 89, 92, 93, 96, 98, 103 and 105. Fox teaches that composition having the silver or silver salt and antimicrobial agent can be administered for ocular infections as well as in the treatment of burn wounds (see column 2, lines 10-30, in particular), and thus Fox teaches that the silver or silver salts can be administered topically to skin.

Accordingly, it is considered that one of ordinary skill in the art at the time the invention was made would have found it obvious to provide the antimicrobial silver salt of Fox in the topical application method and composition of Morlet et al, because Morlet et al. teaches topically administering a composition having an antimicrobial agent for the treatment of microbial infections, and teaches the composition can also comprise other conventional antimicrobial agents, while Fox teaches that silver salts act as antimicrobial agents, are suitable for topical compositions, and exhibit synergistic effects with other antimicrobials. Thus, it is considered that one of ordinary skill in the art would have been motivated to provide the silver salts in the method and composition of Morlet et al. with the expectation of formulating a composition having the desired antimicrobial effects and even having improved antimicrobial effects due to the synergism of the

Art Unit: 1617

silver salts with the antimicrobial agent. Note it is considered that "[I]t is prima facie obvious to combine two compositions each of which is taught by the prior art to be useful for the same purpose, in order to form a third composition to be used for the very same purpose.... [T]he idea of combining them flows logically from their having been individually taught in the prior art." In re Kerkhoven, 626 F.2d 846, 850, 205 USPQ 1069, 1072 (CCPA 1980.)

Morlet et al. and Fox do not specifically teach forming a moisture-resistant film on the skin, as recited in claims 58, 89, 92, 93, 96, 98, 103 and 105.

Smith teaches forming complexes of antimicrobial compounds that are less water soluble and more hypoallergenic (see abstract and column 1, lines 10-20, in particular.)

Smith teaches that the complexes desirably form a more insoluble higher molecular weight molecule that posses the full activity of the smaller molecule, but are more resistant to being washed away, more hypoallergenic, and longer lasting, and thus allow a larger lasting effect without having to use the antimicrobial agent in higher dosages (see column 3, lines 10-25, in particular.) Smith teach that the complex can be used in body compositions such as powders, lotions or salves used in treating the body (see column 2, lines 34-38, in particular.) Smith teaches that, in particular, the antimicrobial complexes can be forming with antimicrobial biguanide compounds, such as polyhexamethylene biguanide hydrochloride (see column 2, lines 55-60 and column 4, lines 10-15, in particular), and thus teaches forming a complex from the elected species

of biguanide polymer. Smith further exemplifies a preparation having a COSMOCIL (polyhexamethylene biguanide hydrochloride) and citrate complex, in which the high molecular weight complex forms a film upon application to a surface (see Example 1, in particular.) Thus, Smith et al. teaches providing a polyhexamethylene biguanide complex that forms a moisture-resistant film, and thus imparts a persistant antimicrobial activity, as recited in claims 58, 89, 92, 93, 96, 98, 103 and 105.

Accordingly, it is considered that one of ordinary skill in the art at the time the invention was made would have found it obvious to provide the high molecular weight polyhexamethylene biguanide complex of Smith in the topical antimicrobial treatment method of Morlet et al. and Fox, because Morlet et al. and Fox teach that polyhexamethylene biguanide can be topically applied to skin to provide antimicrobial treatment, whereas Smith teaches that the antimicrobial use of polyhexamethylene biguanide, including use on the body, can be improved by forming a high molecular weight complex of the compound, which has higher water resistance, is more hypoallergenic, and is longer lasting. Thus, it is considered that one of ordinary skill in the art at the time the invention was made would have found it obvious to provide the polyhexamethylene biguanide complex in the method and composition of Morlet et al. and Fox, and thus to form a moisture-resistant film on the skin, with the expectation of providing improved antimicrobial activity that is longer lasting and more hypoallergenic. Accordingly, claims 58, 89, 92, 93, 96, 98, 103 and 105 are obvious over the teachings of Morlet et al. in view of Fox and Smith.

Regarding claims 60, 106 and 110-111, Morlet and Smith teach providing poly (hexamethylenebigaunide) and the hydrochloride salt thereof, as has been discussed above. Regarding claims 62-64, 101, 112-114 and 123, Fox teaches the silver salt can be silver nitrate or silver iodide, as discussed above.

Regarding claims 68-71 and 117-120, as Morlet et al. and Smith teach the same biguanide polymer as that of the instantly elected species, it is considered the Morlet et al. and Smith also teach a compound having the same chemical groups and the ability to form the covalent bonds at room temperature, as recited in the claims. It is noted that the a product and its properties are inseparable. *In re Papesch*, 315 F.2d 381, 137 USPQ 43 (CCPA 1963).

Regarding claims 99-100 and 121-122, as Smith et al. teaches that the high-molecular complex of the biguanide polymer is water-resistant, it is considered that the film is also sweat resistant and does not leach into a contacting aqueous solution, as recited in the claims. Furthermore as the combined teachings of Morlet et al, Fox and Smith renders the composition used in the claims method obvious, the property of such a claimed composition will also be rendered obvious by the prior art teachings, since the properties, namely the sweat resistance and resistance to leachability, are inseparable from its composition. Therefore, if the prior art teaches the composition or renders the composition obvious, then the properties are also taught or rendered obvious by the

Art Unit: 1617

prior art. In re Spada, 911 F.2d 705, 709, 15 USPQ 1655, 1658 (Fed. Cir. 1990.) See MPEP 2112.01. The burden is shifted to Applicant to show that the prior art product does not possess or render obvious the same properties as the instantly claimed product.

Regarding claims 102 and 124, as the combined teachings of Morlet et al, Fox and Smith renders the obvious the use of the same metallic material as recited in the claimed method, is it considered that the property of such a claimed composition will also be rendered obvious by the prior art teachings, since the properties, namely the binding of the metallic materials to the cellular proteins of microorganisms, are inseparable from its composition. Therefore, if the prior art teaches the composition or renders the composition obvious, then the properties are also taught or rendered obvious by the prior art. In re Spada, 911 F.2d 705, 709, 15 USPQ 1655, 1658 (Fed. Cir. 1990.) See MPEP 2112.01. The burden is shifted to Applicant to show that the prior art product does not possess or render obvious the same properties as the instantly claimed product.

Claims 65-67, 91, 94, 97, 104,107 and 115-116 are rejected under 35 U.S.C. 103(a) as being unpatentable over WO 97/00076 to Morlet et al, in view of U.S. Patent No. 5,374,432 to Charles L. Fox, Jr., issued December 20, 1994, and U.S. Patent No. 5,576,006 to W. Novis Smith, issued November 19, 1996, as applied to claims 58, 60, 62-64, 68-71, 89, 92, 93, 96, 98-103, 105-106, 108-114 and 117-124 above, and further in view of WO 95/17152 to Sawan et al, published Jun 29, 1995.

Application/Control Number: 09/392,842 Page 10

Art Unit: 1617

Morlet et al, Fox and Smith are applied as discussed above, and teach a method of providing antimicrobial activity on skin by applying a composition having the elected species of polyhexamethylene biguanide hydrochloride and an antimicrobial metallic material, such as silver nitrate or silver iodide. Smith furthermore teaches the desirability of complexing the polyhexamethylene biguanide hydrochloride with another compound to provide a high molecular weight compound. Smith teaches that the formation of a higher molecular weight compound provides a compound that is more insoluble and is longer lasting since the newly formed molecule has increased size. Thus, the compound has improved resistance to being washed away and improved hypoallergenicity, and has a longer lasting effect (see column 3, lines 10-25 of Smith, in particular.) Smith also teaches an embodiment in which the improved antimicrobial composition forms a film (see Example 1, in particular.)

The references do not specifically teach forming an adduct of the biguanide with the elected species of substantially water-insoluble organic compound that is methylene-bis-N,N-diglycidylaniline, as recited in the claims.

Sawan et al. teaches that polyhexamethylene biguanide is known as an antibacterial and antimicrobial agent (see pages 19-20, in particular.) Sawan et al. also teaches that the antimicrobial compounds can be derivatized. Sawan et al. further teaches that a suitable antimicrobial combination that is effective against both bacteria

and yeast can be a combination of silver and a biguanide compound (see page 22, first full paragraph, in particular.) Sawan et al. exemplifies an antimicrobial coating solution in which an adduct of polyhexamethylenebiguanide and 4,4-methylene-bi(N,N-diglycidylaniline) is formed (see Example 18, in particular), and thus teaches the elected species of substantially water-insoluble organic compound that is methylene-bis-N,N-diglycidylaniline, as recited in the claims. Sawan et al. also teaches silver iodide can be added to the exemplified solution (see Example 19, part (c), in particular.) Sawan et al. teaches that the antimicrobial compositions are suitable for sterilizing solutions such as eyecare liquids and other medicaments (see page 6 and page 9, in particular), and thus teaches that the antimicrobial compositions are safe for use with compositions meant for application to the body.

Accordingly, it is considered that one of ordinary skill in the art would have found it obvious at the time the invention was made to provide the PHMB and 4,4-methylene-bis(N,N-digylidylaniline) complex of Sawan et al. in the method and composition of Morlet et al, Fox and Smith, because Morlet et al, Fox and Smith teach the desirability of topically applying a composition having silver salts and PHMB to provide antimicrobial activity, and also teach that PHMB can be complexed with other compounds to provide a higher molecular weight compound that is longer lasting in its efficacy, and Sawan et al teaches a PHMB complex that provides antimicrobial activity, is safe for use with compositions that are applied to the body, and can be advantageously combined with silver salts. Thus, it is considered that one of ordinary

skill in the art would have been motivated to provide the PHMB complex of Sawan et al. in the composition and method of Morlet et al, Fox and Smith, with the expectation of providing an improved antimicrobial composition and method having an antimicrobial PHMB complex that can be suitably combined with the silver salts therein, that is safe for application to the body, and that is a high molecular weight complex with longer lasting antimicrobial activity.

Furthermore, regarding the formation of a film on the skin with the composition, as recited in the claims, it is considered that as Morlet et al, Fox, Smith and Sawan et al. render the claimed composition and method of using obvious, the property of such a claimed composition will also be rendered obvious by the prior art teachings, since the properties, namely the formation of the film, are inseparable from its composition.

Therefore, if the prior art teaches the composition or renders the composition obvious, then the properties are also taught or rendered obvious by the prior art. In re Spada, 911 F.2d 705, 709, 15 USPQ 1655, 1658 (Fed. Cir. 1990.) See MPEP 2112.01. The burden is shifted to Applicant to show that the prior art product does not possess or render obvious the same properties as the instantly claimed product and process of using the product.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the

unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 58, 60, 62-71, 89, 91-94 and 96-124 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-38 of U.S. Patent No. 6,180,584, claims 1-6 of U.S. Patent No. 6,030,632, claims 1-9 of U.S. Patent No. 5,869,072, and claims 1-9 of U.S. Patent No. 5,817,325. Although the conflicting claims are not identical, they are not patentably distinct from each other because each of the cited patents are directed to compositions comprising a biguanide material, a metal material such as silver compounds and a cross linker and/or methods of using such composition to improve antimicrobial activity of an article or a secondary formulation.

For example, the claims of the patent 6,018,584 are directed to methods of providing antimicrobial activity on skin by applying the claimed invented disinfectant composition of a substrate (claims 1, 27-33.) The instant claims differ from the patented claims only by the nature of the substrate. However, it would have been obvious to one of ordinary skill in the art at the time of the invention to employ the composition of the patented claims on suitable substrates including scrubs, skin preparations directly or through suitable carrier systems. Accordingly, the instant claims are an obvious modification of the already patented claims.

Response to Arguments

Applicant's arguments filed February 21, 2007 have been fully considered but they are not persuasive.

In particular, Applicants argue that there is no motivation to combine Morlet et al. and Fox et al. with Smith because Morlet et al. does not teach or suggest the need for providing a moisture resistant film, as recited in the claim. In response to applicant's arguments against the references individually, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); *In re Merck* & Co., 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1986).

In the instant case, Morlet et al. and Fox et al. teach the desirability of providing topical antimicrobial compositions having the biguanide polymer and antimicrobial metallic material as claimed. The Smith reference teaches the desirability of providing topical antimicrobial compositions that are water and moisture resistant, and exemplifies forming a moisture resistant film using a water-resistant complex of the same antimicrobial compound, polyhexamethylene biguanide, as taught by Morlet et al. Accordingly, as discussed above, it is considered that one of ordinary skill in the art would have found it obvious to provide the improved polyhexamethylene biguanide complex of Smith in the composition of Morlet et al. and Fox, and thus to form a moisture-resistant film on skin, with the expectation of providing improved antimicrobial activity that is longer lasting.

Applicants also argue that Morlet et al. and Fox et al. do not provide sufficient motivation to combine their teachings of the different antimicrobials. The Examiner notes that, as discussed above, since Fox et al. teaches that silver salts have topical antimicrobial activity, and Morlet et al. also teaches that the biguanidine compounds have topical antimicrobial activity, it is considered that one of ordinary skill in the art would have been motivated to combine the silver salts of Fox et al. in the method and composition of Morlet et al. with the expectation of formulating a composition having the desired antimicrobial effects and even having improved antimicrobial effects due to the synergism of the silver salts with the antimicrobial agent. Note it is considered that "[I]t is prima facie obvious to combine two compositions each of which is taught by the prior

art to be useful for the same purpose, in order to form a third composition to be used for the very same purpose.... [T]he idea of combining them flows logically from their having been individually taught in the prior art." In re Kerkhoven, 626 F.2d 846, 850, 205 USPQ 1069, 1072 (CCPA 1980.)

Page 16

Applicants further argue that there is no motivation to combine Morlet, Fox and Smith with Sawan et al, and assert that the Examiner has mischaracterized the disclosure of Sawan et al. In particular, Applicants argue that Sawan et al. teaches that the solutions described therein preferably do not contain antimicrobials, and furthermore teaches that the antimicrobial coatings provided on the liquid dispensers as taught by Sawan are not suitable for use on the skin, as many of these formulations use epoxy chemistry for forming the films on the liquid dispensers (see page 14 of Remarks.)

The Examiner wishes to clarify the teachings of Sawan et al, which have been discussed above. Sawan et al. is cited for it's teaches of the biguanide adduct as claimed and its use as an antimicrobial agent. As discussed above, Sawan et al. clearly teaches that polyhexamethylene biguanide is a known antimicrobial agent that can be provided in derivatized form, and further exemplifies forming antimicrobial coating containing a derivative of polyhexamethylenebiguanide that is an adduct thereof. While Sawan et al. does not specifically teach providing the polyhexamethylene biguanide adduct into a solution, Sawan et al. does teach that the coatings can be contacted with solutions, such as eye care solutions, to sterilize them. Thus, Sawan et al. teaches that

the adduct itself can be safely contacted with solutions meant for application to the human body to provide antimicrobial effects. Sawan et al. also teaches that silver iodide can be provided in such solutions to sterilize them. Accordingly, it is considered that one of ordinary skill in the art would have found it obvious to provide the biguanidine adduct as taught by Sawan et al. in the composition of Morlet et al, Fox and Smith, with the expectation of providing a suitable antimicrobial composition.

Conclusion

No claims are allowed.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Art Unit: 1617

Page 18

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abigail M. Cotton whose telephone number is (571) 272-8779. The examiner can normally be reached on 9:30-6:00, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreenivasan Padmanabhan can be reached on (571) 272-0629. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AMC

Sheen fall and examiler Petaisory falent examiler